



Minnesota Ag News – Crop Weather

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COOPERATING WITH THE MN DEPARTMENT OF AGRICULTURE, NATIONAL WEATHER SERVICE - CHANHASSEN, MN

UNIV. OF MINN. EXTENSION SERVICE, DNR STATE CLIMATOLOGY OFFICE, USDA-FSA, USDA-NRCS, and Local FACs

SEVERE WEATHER CONTINUED

Another round of severe weather has impacted Minnesota agriculture this past week, including heavy downpours, strong winds, localized hail, and reports of tornadoes across the north, according to the USDA, NASS, Minnesota Field Office. As of June 27, rainfall added to already wet soil conditions across the state. Calmer conditions and sunshine returned on Sunday; however, a few reports stated that crops were drowning out in some lower areas. Wet conditions were making spraying and haying activities difficult.

Statewide average precipitation was 2.12 inches, 1 inch above normal. Thirty-five percent of topsoil moisture supplies were rated surplus compared to 28 percent during the previous week. Statewide, 3 days were rated suitable for fieldwork.

Crops remained generally in good to excellent condition statewide. Average corn height was 32 inches and was rated 90 percent in good to excellent condition. Average soybean height was 9 inches and was rated 83 percent in good to excellent condition. Seven percent of soybeans were blooming compared to 3 percent for the five-year average.

Seventy-three percent of spring wheat was heading with 85 percent rated good to excellent. Eighty-one percent of oats were heading and 5 percent were ripening with 86 percent rated good to excellent. Barley was 80 percent heading with 78 percent rated good to excellent. Sweet corn planting was 95 percent complete.

Alfalfa first cutting was 84 percent complete with 77 percent rated in good to excellent condition. Alfalfa weevils remained an issue in northern and western areas. Range and pasture condition was rated 1 percent poor, 11 percent fair, 64 percent good, and 24 percent excellent.

Days Suitable for Fieldwork: 3.0

	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	0	1	64	35

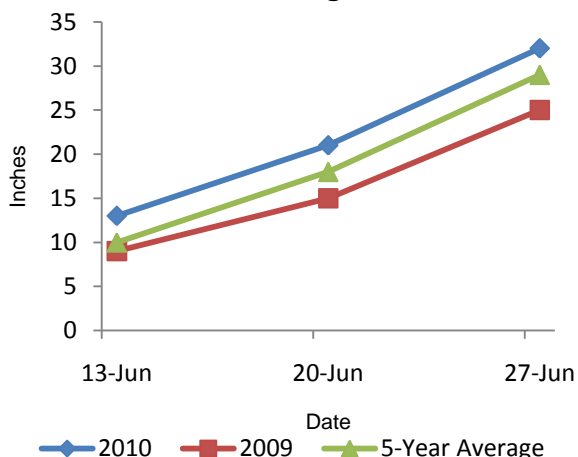
Crop Progress as of June 27, 2010

Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Corn	Height	32	21	25	29
Soybeans	Height	9	6	8	8
Soybeans	Blooming	7	1	0	3
Spring Wheat	Jointing	90	86	63	80
Spring Wheat	Heading	73	50	14	39
Barley	Jointing	94	91	61	77
Barley	Heading	80	57	16	41
Barley	Ripening	1	NA	0	1
Oats	Jointing	98	93	82	88
Oats	Heading	81	64	46	55
Oats	Ripening	5	1	0	2
Sweet Corn	Planted	95	91	97	94
Alfalfa	First Cutting	84	77	83	88

Condition as of June 27, 2010

	Very Poor	Poor	Fair	Good	Exc
----- Percent -----					
Pasture	0	1	11	64	24
Oats	0	2	12	68	18
Spring Wheat	2	3	10	59	26
Barley	3	5	14	47	31
Sugarbeets	0	2	12	70	16
Corn	0	1	9	62	28
Alfalfa	2	4	17	59	18
Potatoes	0	2	9	63	26
Soybeans	1	2	14	62	21
Canola	12	19	33	33	3
Green Peas	0	0	9	60	31
Sunflowers	5	8	14	68	5
Dry Beans	0	2	21	68	9

Corn Height



The following links provide further weather-related information and maps for Minnesota:

Minnesota Climatology Working Group provides statewide precipitation maps for the previous week:
<http://climate.umn.edu/doc/weekmap.asp>

National Weather Service's Minnesota Data:
<http://www.nws.noaa.gov/view/states.php?state=MN>

PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING June 27, 2010:
Temperatures averaged from 2.1 degrees above normal in the North Central, West Central Districts to 3.6 degrees above normal in the Southeast District. Extremes: 43 degrees in International Falls; 97 degrees in Winona. Average precipitation ranged from 0.01 inch above normal in the West Central District to 2.86 inches above normal in the Southeast District. Greatest weekly total of 5.63 inches was recorded in Becker.

For a map of Minnesota's precipitation, please see the Minnesota Climatology Group's website; <http://climate.umn.edu/doc/weekmap.asp>.

Precipitation and Temperature Summary for 6/21/2010 through 6/27/2010

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	Four Weeks	Since Norm 4/1	Since April 23	Depart from Norm
<u>NW DIST 1</u>										
Crookston	84	56	70.7	3.6	1.17	.33	-.20	2.79	799	34
Itasca	82	51	67.9	4.4	1.50	.46	.82	1.41	672	73
Moorhead	86	59	72.2	4.4	.85	.03	1.02	1.26	866	66
Warroad	80	55	66.2	1.4	.54	-.39	-.13	3.32	620	-15
<u>NC DIST 2</u>										
Grand Rapids	86	51	68.6	3.9	2.74	1.60	.97	.39	724	67
Intl. Falls	78	43	63.8	.3	.55	-.40	-.63	-.50	632	17
<u>NE DIST 3</u>										
Duluth	86	54	66.4	4.5	1.69	.66	1.13	2.76	592	63
Grand Marais	74	48	58.2	3.0	.60	-.22	.93	-.29	290	-23
Hibbing	82	46	65.3	2.3	1.18	.08	-.14	-.88	684	102
<u>WC DIST 4</u>										
Alexandria	86	56	69.9	2.8	.57	-.45	-1.19	-2.53	791	38
Browns Valley	88	54	70.2	1.1	1.19	.38	1.20	.84	788	-58
Canby	89	57	71.4	.9	1.57	.60	2.14	.38	864	-31
Dalton	88	57	71.4	3.8	.52	-.37	-.48	-1.19	816	29
Montevideo	88	55	70.8	1.3	1.70	.71	1.92	-.18	822	-31
Morris	86	54	70.8	2.1	.59	-.38	-.30	-.97	810	-25
Wheaton	87	59	72.0	2.9	.45	-.45	-.47	-1.17	819	-7
<u>CENT DIST 5</u>										
Becker	89	57	72.0	4.3	5.63	4.56	6.13	4.73	864	74
Collegeville	88	58	72.4	3.1	1.67	.59	1.15	-.32	888	12
Hutchinson	90	54	71.6	1.8	1.40	.35	.41	2.76	901	23
Melrose	86	56	69.3	.5	.65	-.36	.09	-1.15	787	-27
Olivia	89	55	70.1	.6	3.30	2.24	2.82	1.37	829	-34
St. Cloud	89	54	70.6	3.6	1.47	.42	.69	-.80	840	84
Staples	88	54	70.6	5.7	1.24	.23	.46	-.47	759	77
Wadena	84	54	69.4	4.4	1.28	.27	.98	.06	693	12
Willmar	88	57	71.6	2.4	2.68	1.47	2.81	3.38	867	20
<u>EC DIST 6</u>										
Aitkin	87	51	68.4	4.3	1.00	-.07	-.07	-.52	718	87
Forest Lake	91	56	72.2	3.7	2.03	.92	1.06	.69	885	61
Hinckley	85	52	66.4	1.3	1.65	.61	3.86	3.16	684	29
MSP Airport	91	60	74.6	4.2	3.27	2.24	2.21	1.69	984	83
St. Paul - UofM	88	59	72.8	2.8	2.90	1.72	1.28	-.58	880	-1
<u>SW DIST 7</u>										
Lamberton	92	56	73.0	2.4	2.85	1.94	2.69	1.32	933	29
Marshall	91	58	72.8	2.3	2.98	2.10	3.70	2.32	922	24
Pipestone	90	53	71.2	2.1	2.81	1.90	4.00	3.93	806	-29
Redwood Falls	93	57	72.6	1.1	3.83	2.85	4.52	3.71	944	-14
Worthington	91	56	73.0	4.0	3.02	1.95	3.58	2.10	873	56
<u>SC DIST 8</u>										
Faribault	90	58	71.9	2.6	2.17	1.18	1.80	.70	903	73
Mankato	90	57	71.7	1.7	4.56	3.23	5.69	3.09	887	7
Waseca	89	56	71.6	2.0	2.41	1.42	5.71	3.72	914	45
Winnebago	91	58	73.1	2.6	3.69	2.63	4.31	1.23	943	43
<u>SE DIST 9</u>										
Preston	90	55	73.5	5.1	3.81	2.71	4.79	4.03	926	139
Red Wing	90	60	73.6	4.0	3.56	2.59	4.60	2.50	927	66
Rochester	86	59	71.5	3.5	3.34	2.36	4.10	1.18	904	118
Rosemount	89	58	72.0	3.0	3.21	2.12	3.06	1.22	881	57
Winona	97	60	73.4	3.2	4.67	3.75	5.13	3.11	888	11

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

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